

Table 1.2-1 Tidal Elevations

Tidal Information	Tidal Elevations in feet using datum as shown			Tidal Elevations in meters using datum as shown		
	MLLW	NGVD 29	NAVD 88	MLLW	NGVD 29	NAVD 88
Highest Observed Water Level (12/03/83)	8.110	6.437	9.022	2.472	1.962	2.750
Mean Higher High Water (MHHW)	4.859	3.186	5.771	1.481	0.971	1.759
Mean High Water (MHW)	4.360	2.687	5.272	1.329	0.819	1.607
Mean Tide Level (MTL)	2.549	0.876	3.461	0.777	0.267	1.055
Mean Sea Level (MSL)	2.549	0.876	3.461	0.777	0.267	1.055
Mean Low Water (MLW)	0.751	-0.922	1.663	0.229	-0.281	0.507
Mean Lower Low Water (MLLW)	0.000	-1.673	0.912	0.000	-0.510	0.278
Lowest Observed Water Level (01/08/89)	-1.280	-2.953	-0.367	-0.390	-0.900	-0.112

**References:**

- National Oceanic and Atmospheric Administration, Nation Ocean Service - Station ID 9415144 (Port Chicago, Suisun Bay)
- National Geodetic Survey Data Sheet for Tidal Benchmark 26 USN, PID = JT0383

Calculated by: SAG

**TABLE 1.2-2. PLANT COMMUNITIES LIST (SUMMER 2002)**

**Note:** Refer to Figure 8 to see geographic distribution of plant communities.  
Refer to Table 4 (Plant Species Observed in the Project Vicinity) for common names and native/non-native status.

**Community #1**

**Code:** TYAN/SCAC (narrow-leaved cattail and hard-stem bulrush)

**Dominant species:** *Typha angustifolia*, *Scirpus acutus*

**Sub- Dominant:** *Lepidium latifolium*, *Baccharis douglasii*

**Species commonly present:** *Phragmites australis*, *Juncus* sp., *Salicornia virginica*

**Comments:** Community exists on the channel bench adjacent to Peyton Slough its' tributaries

**Community #2**

**Code:** BAPI (coyote brush)

**Dominant species:** *Baccharis pilularis*

**Sub- Dominant:** *Cortaderia jubata*, *Juncus* sp.

**Species commonly present:** *Avena* sp., *Bromus madritensis* ssp. *rubens*, *Vicia* sp., *Vulpia* sp.

**Comments:** Upland plant community, colonize dredge spoil piles.

**Community #3**

**Code:** TYAN (narrow-leaved cattail)

**Dominant species:** *Typha angustifolia*

**Sub- Dominant:** *Scirpus robustus*, *Scirpus acutus*, *Salicornia virginica*

**Species commonly present:** *Lepidium latifolium*, *Jaumea carnosa*, *Juncus* sp., *Distichlis spicata*, *Cuscuta salina* var. *major*

**Comments:** At channel mouth *Scirpus acutus* replaces sub-dominance of *Scirpus robustus*. Community occupies slightly lower elevations in marsh plain.

**Community #4**

**Code:** SCRO (alkali bulrush)

**Dominant species:** *Scirpus robustus*

**Sub- Dominant:** *Salicornia virginica*

**Species commonly present:** *Typha* spp.

**Comments:** Community occupies a broad range of the site.

**Community #5**

**Code:** LELA (peppergrass)

**Dominant species:** *Lepidium latifolium*

**Sub- Dominant:** *Phragmites australis*, *Salicornia virginica*

**Species commonly present:** *Picris echinoides*, *Bromus diandrus*, *Bromus nigra*, *Carduus pycnocephalus*, *Raphanus sativus*

**Comments:** *Lepidium latifolium* is a non-native, invasive plant. Community occupies a broad range of the project site.

**TABLE 1.2-2. PLANT COMMUNITIES LIST (SUMMER 2002)**

**Community #6**

**Code:** SAVI (pickleweed)

**Dominant species:** *Salicornia virginica*

**Sub- Dominant:** *Jaumea carnosa*, *Lepidium latifolium*, *Scirpus robustus*

**Other species present:** *Cuscuta salina* var. *major*, *Distichlis spicata*, *Scirpus americanus*

**Comments:** Sub-dominance varies with geographic location.

**Community #7**

**Code:** TYAN/BADO (narrow- leaved cattail, marsh baccharis)

**Dominant species:** *Typha angustifolia*, *Baccharis douglasii*

**Sub- Dominant:** *Scirpus americanus*,

**Species commonly present:** *Cuscuta salina* var. *major*, *Distichlis spicata*, *Triglochin maritima*

**Comments:** Community exists north of tide gate, east of slough

**Community #8**

**Code:** LETR (creeping wild-rye)

**Dominant species:** *Leymus triticoides*

**Species commonly present:** *Asparagus officinalis* ssp. *officinalis*, *Bromus diandrus*, *Bromus madritensis* ssp. *rubens*, *Typha latifolia*, *Picris echioides*, *Lotus corniculatus*, *Phragmites australis*, *Jaumea carnosa*, *Juncus* sp.

**Comments:** Community present in high marsh

**Community #9**

**Code:** ATTR/DISP (fat hen, saltgrass)

**Dominant species:** *Atriplex triangularis*, *Distichlis spicata*

**Sub- Dominant:** *Cotula coronopifolia*

**Species commonly present:** *Frankenia salina*, *Hordeum marinum* ssp. *gussoneanum*, *Juncus* sp., *Lolium multiflorum*, *Salicornia virginica*, *Scirpus robustus*

**Comments:** Community has inclusions of other community types as a result of microtopography/hydrology such as former slough oxbows.

**Community #10**

**Code:** TYLA/SCspp. (broad-leaved cattail, bulrush species)

**Dominant species:** *Typha latifolia*, *Scirpus* species (Includes *S. americanus*, *S. californicus*, *S. robustus*)

**Comments:** Tall emergent vegetation.

**Community #11**

**Code:** SCAM/ATTR (three-square bulrush, fat hen)

**Dominant species:** *Scirpus americanus*, *Atriplex triangularis*

**Sub- Dominant:** *Jaumea carnosa*

**TABLE 1.2-2. PLANT COMMUNITIES LIST (SUMMER 2002)**

**The following is a list of plants that form near monotypic inclusions (i.e. patches where species assumes dominance) in communities**

**Code:** TRMA

**Dominant species:** *Triglochin maritima*

**Code:** JUsp

**Dominant species:** *Juncus* species

**Code:** LOMU

**Dominant species:** *Lolium multiflorum*

**Code:** PHAU

**Dominant species:** *Phragmites australis*

**Code:** VIsp

**Dominant species:** *Vicia* species